



# Typhoon

## Ionising airknife, blower driven

The TYPHOON air knife neutralises static electricity and removes dirt from flat and curved surfaces using a powerful ionized air flow. This air flow is generated by a powerful blower (option) and an air knife.

The air knife comes with a type EP-Sh-N anti-static bar (with power supply) or Performax IQ Easy (24V, optional with Manager)) as standard. For use in explosion hazardous areas, the P-Sh-N-Ex ionization bar (230V) or Performax Easy Ex (24V) or Performax IQ Easy Ex is used (24V, Option with Manager).

The Typhoon is adaptable to large halo systems used for auto and truck body cleaning prior to painting. It is also extremely suitable for smaller pre-paint cleaning systems for plastic parts and fascia. By using blowers instead of compressed air, Typhoon can reduce operational costs by 30 to 70%.

### Power unit A2A7M

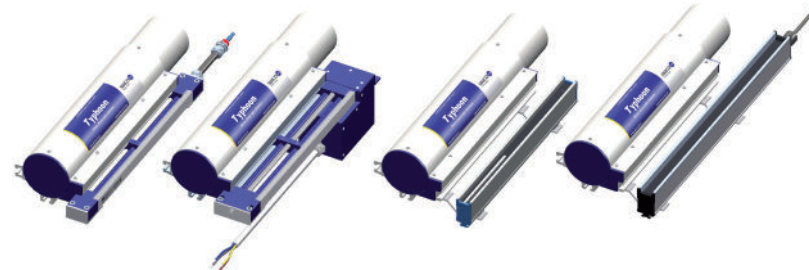
Typhoon systems with EP-Sh-N anti-static bars incorporates a power unit type A2A7M. This unit contains an additional 12V power source for connection of the airpressure sensor.

### Features

- + Incorporates Simco-Ion anti-static bars which quickly neutralize static, facilitating easy removal of particulate
- + Clean, uniform, high-velocity ionised air provides "one-step" cleaning
- + Direct-drive motors require little or no maintenance
- + Anodised finish for corrosion protection
- + Connection for pressure sensor
- + New design extruded aluminium profile
- + Cost efficient versus compressed air
- + Two mounting grooves
- + Small blower/ low noise level

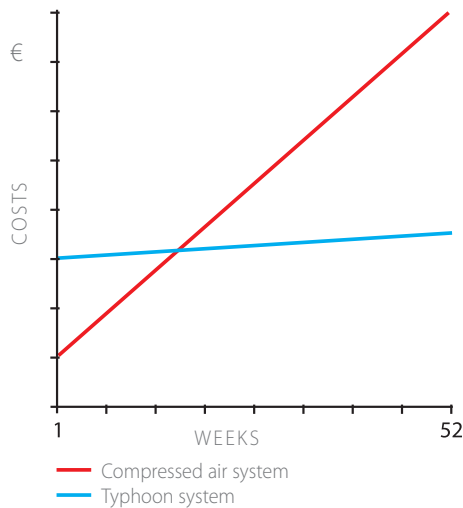
### Technical specifications

Typhoon		
<b>Air knife</b>		
Inlet	Ø75 mm	
Noise level	≤80 dB measured at 100 cm distance	
<b>EP-Sh-N anti-static bar</b>		
Operating voltage	approx. 7 kV (AC)	
Max. current	25 µA (from emitter point to earth)	
Ambient temperature	0 - 55°C	
<b>P-Sh-N-Ex anti-static bar</b>		
Mains voltage	230 V AC	110 V AC (see rating plate)
Line-side fuse	200 mA	400 mA
Current	25 µA (from emitter point to earth)	
Ambient temperature	0 - 55°C	
<b>Performax IQ Easy anti-static bar</b>		
Supply voltage	24 V DC nominal	
Connection	M12 connector, 5-pole	
Current consumption	max. 0,5 A DC	
Ambient temperature	0 - 55°C	
<b>Performax (IQ) Easy Ex anti-static bar</b>		
Supply voltage	24 V DC nominal	
Connection	Cable 5 x 0,34 mm <sup>2</sup>	
Current consumption	max. 0,4 A DC	
Ambient temperature	0 - 40°C	
<b>Blower (option)</b>		
Ambient temperature	0 - 40°C	
Specifications	See blower rating plate	
<b>Power unit for EP-Sh-N bar</b>		
Specifications	See power unit rating plate	



### Profitability calculation

Considerable savings in operating costs (30-70%) can be achieved when blowers, rather than compressed air, are being used. We would be pleased to help you comparing our system with compressed air systems. Using a spreadsheet, Simco-Ion will be able to calculate exactly the payback period of a planned investment in a Typhoon, when you provide the relevant variables.



### Applications

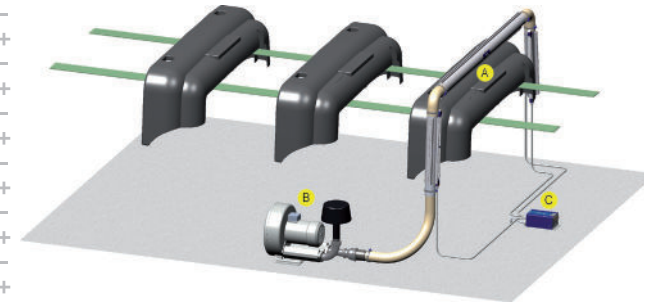
- ⊕ Car bumpers / dashboards: Cleaning
- ⊕ Winding sections: Neutralising
- ⊕ Car bodies: Cleaning
- ⊕ TV Castings: Cleaning
- ⊕ Electronic cabinets: Cleaning
- ⊕ General Mouldings: Cleaning
- ⊕ Packaging materials: Neutralising
- ⊕ Thermoformed trays: Neutralising



Typhoon with EP-Sh-N anti-static bar



Typhoon with P-Sh-N-Ex anti-static bar



Typhoon system



Typhoon with Performax IQ Easy anti-static bar



Typhoon with Performax (IQ) Easy Ex anti-static bar



An optional airpressure sensor can measure the air pressure inside the airknife. If the pressure drops under the required level, the system does not work optimal. A system check is then necessary, often it appears that the air filter needs to be cleaned.



A2A7M Power Unit with 12V connection for the pressure sensor



Powerfull but compact blower for the Typhoon airknife. Supplies filtered air to the airknife



Optional mounting hinges for Typhoon airknife

### Simco-Ion Netherlands

Postbus 71  
 Lochem, The Netherlands NL-7240 AB  
 Tel: +31 (0)573 288333  
 Fax: +31 (0)573 257319  
 general@simco-ion.nl  
 www.simco-ion.nl